

While the invention has been particularly shown and described with reference to the preferred embodiments, it will be understood by those skilled in the art that they are not meant to be limiting and any changes or modifications are covered in the scope of the present invention. Therefore, the scope of the invention shall be defined by the claims that follow.

What is claimed is:

1. A method for remote control using short message of a mobile phone, wherein, the method includes the steps of:

assigning a unique identification code for the radio receiver of a controlled object and establishing a map between the identification code and a mobile phone number;

transmitting by the mobile phone the short message containing control command, the short message receiving terminal, according to the map, converting the associated content in the short message into the identification code of radio receiver and instruction code of the controlled object;

converting the identification code and the instruction code into radio signals in radio-transmitted format and then transmitting them;

reverting the control instruction in the radio signal by the radio receiver having the identification code in its radio signal, and then transmitting it to the control system of the controlled object.

2. The method according to claim 1, wherein, the radio receiver may be a control device with a receiving principle similar to that of a radio pager, and the identification code is the address code of the radio pager.

3. The method according to claim 1, wherein, a registration short message containing the name of the controlled object and the identification code is transmitted by the mobile phone, and the short message receiving terminal establishes a one-one mapping between the number of the mobile phone, the name of the controlled object and the identification code of the radio receiver.

4. The method according to claim 3, wherein, the name of the controlled object may adopt a name in Chinese or unified coding.

5. The method according to claim 1, wherein, the converting of the content of the short message by the short message receiving terminal includes the steps of: 1) taking the mobile phone number, the name of the controlled object and the control command from the short message; 2) finding the identification code of the radio receiver of the controlled object from the mapping according to the number of the mobile phone and the name of the controlled object, and converting the control command into the instruction code of the controlled object.

6. The method according to claim 1, wherein, the identification code and the instruction code are converted into radio-transmitted protocol format through coding processing and are modulated into radio signals.

7. The method according to claim 1, wherein, the radio-transmitted protocol format is FLEX, POCSAG or other formats.

8. The method according to claim 6, wherein, the radio-transmitted protocol format is FLEX, POCSAG or other formats.

9. The method according to claim 1, wherein, before converting the control instruction in the radio signals, the radio receiver includes: demodulating the radio signals, and getting the identification code and the instruction code from the radio signals; then comparing the

identification code and the instruction code it got with the identification code of itself, if they are identical, the radio receiver shall transmit the instruction code to the control system of the controlled object.

10. The method according to claim 1, wherein, further includes the steps of ciphering and deciphering the transmitted information.

11. The method according to claim 6, wherein, further includes the steps of ciphering and deciphering the transmitted information.

12. The method according to claim 10, wherein, the steps of ciphering and deciphering are achieved by a signaling converting unit and a radio transceiver.

13. The method according to claim 11, wherein, the steps of ciphering and deciphering are achieved by a signaling converting unit and a radio transceiver.

14. The method according to claim 1, wherein, the transmission of the control instruction from the radio receiver to the control system of the controlled object may be in the form of radio and may also be in the form of wire connection.

15. A system for remote control using short message of a mobile phone, wherein, the system includes:

a terminal capable of transmitting short messages, a short message receiving terminal, a signaling converting unit, a coding processing unit, a signaling transmitting platform and a controlled object;

the controlled object has a radio receiver and a control system, wherein the radio receiver is assigned a unique identification code and a map is established between the identification code and a mobile phone number;

the short message receiving terminal receives a short message containing control commands transmitted by a mobile phone and conveys the short message to the signaling converting unit, then the signaling converting unit, according to the map, converts the relevant contents in the short message into the identification code of the radio receiver and the instruction code of the controlled object; the coding processing unit converts the identification code and instruction code into radio signals in radio-transmitted format and transmits them via the signaling transmitting platform; the radio receiver reverts the control instruction in the radio signal and transmits it to the control system of the controlled object.

16. The system according to claim 15, wherein, the radio receiver may be a control device with a receiving principle similar to that of a radio pager, and the identification code is the address code of the radio pager.

17. The system according to claim 15, wherein, the radio-transmitted protocol format is FLEX, POCSAG or other formats.

18. The system according to claim 15, wherein, the transmission of the control instruction from the radio receiver to the control system of the controlled object may be in the form of radio and may also be in the form of wire connection.

19. The system according to claim 15, wherein, the controlled object may be home appliances, the system of guard against theft or the system of charging of automobiles.